

# Test Report on

SAGEMCOM E&T SAS  
SICONIA C2 AT868  
253714322

LoRa Test Report

**Test Report Reference:** MDE\_SAGEMCOM\_1601\_01

**Date:** 2017-03-08

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## 1 Administrative Data

### 1.1 Project Information

Project Name: MDE\_SAGEMCOM\_1601  
Responsible for Testing and Report: Abdellah Ahakki  
Date of Report: 2017-03-08  
Testing Time Frame: 2016-10-05 to 2016-10-06

### 1.2 Applicant Information

Company Name: SAGEMCOM E&T SAS  
Address: 250 Route de l'Empereur  
92848 Rueil Malmaison cedex  
France  
Contact Person: Marc Le Gourrierec  
Phone: +33 (0)1 57 61 10 82  
Email: marc.legourrierec@sagemcom.com

### 1.3 Test Laboratory Information

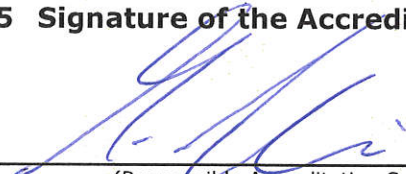
The following list shows all Locations and Test Resources involved in the generation of test results:

### 1.4 Signature of the Testing Responsible



(Responsible for Testing and Report)  
Abdellah Ahakki

### 1.5 Signature of the Accreditation Responsible(s)



(Responsible Accreditation Scope)  
Mohamed El-Fikri

## 2 Test Object Data

### 2.1 Object Under Test (OUT) Description(s)

The following section lists all Objects Under Test (OUTs) involved during testing.

#### Object Under Test: SICONIA C2 AT868

Description: Motion & temperature sensor

Type / Model: 253714322

#### Manufacturer:

Company Name: SAGEMCOM E&T SAS

Address: 250 Route de l'Empereur  
92848 Rueil Malmaison cedex  
France

Contact Person: Marc Le Gourrierec

Phone: +33 (0)1 57 61 10 82

Fax: -

Email: marc.legourrierec@sagemcom.com

For further details see Annex.

### 2.2 Sample Description(s)

#### Sample Name: DE1217000ab02

Object Under Test: SICONIA C2 AT868

Description: Motion & temperature sensor

Serial Number: 9165130010018

Hardware Version: 2

Software Version: 1

Code: ab02

For further details see Annex.

### 3 Results

#### 3.1 Applicable Test Specification(s)

Test Specification:	LoRa End Device Certification EU v1.2
Date / Version:	Aug 30, 2016 / v1.2
Description:	LoRa alliance End Device Certification Requirements for EU 863-870 MHz ISM Band devices, v1.2

#### 3.2 Result Statistics

Test Specification	Total	Result Verdict			Pass Ratio
		Pass	Fail	Declaration	
LoRa End Device Certification EU v1.2	16	16	0	0	100.00 %

Note: Pass, Declaration, Fail and Inconclusive results are regarded for the Pass Ratio calculation. Pass and Declaration are summarized as Pass results. Fail and Inconclusive are summarized as Fail results. All are summarized as Total count (Pass + Declaration + Fail + Inconclusive). The Pass Ratio is calculated by the number of Pass results divided by the number of Total results. All other results like Error or Not Tested are not regarded for the calculation.

#### 3.3 Result Summary

##### Test Specification: LoRa End Device Certification EU v1.2

Test Case Name / Description Test Condition	Verdict	Date	Sample/Setup
<b>TC_MAC_EU_001 / Test Mode activation</b> activation mode = Activation-by-Personalization	Passed	2016-10-06	DE1217000ab02
<b>TC_MAC_EU_002 / Test application functionality</b>	Passed	2016-10-06	DE1217000ab02
<b>TC_MAC_EU_003 / Over The Air Activation</b>	Passed	2016-10-06	DE1217000ab02
<b>TC_MAC_EU_004 / Packet Error Rate RX2 SF12</b>	Passed	2016-10-06	DE1217000ab02
<b>TC_MAC_EU_005 / Cryptography</b>	Passed	2016-10-06	DE1217000ab02
<b>TC_MAC_EU_006 / Downlink Window Timing</b>	Passed	2016-10-06	DE1217000ab02
<b>TC_MAC_EU_007 / Frame Sequence Number</b>	Passed	2016-10-06	DE1217000ab02
<b>TC_MAC_EU_008 / Device Status Request</b>	Passed	2016-10-06	DE1217000ab02
<b>TC_MAC_EU_009 / MAC Commands</b>	Passed	2016-10-06	DE1217000ab02
<b>TC_MAC_EU_010 / New Channel Request</b>	Passed	2016-10-06	DE1217000ab02
<b>TC_MAC_EU_011 / Confirmed packets</b>	Passed	2016-10-06	DE1217000ab02
<b>TC_MAC_EU_012 / RX Parameter Setup Request</b>	Passed	2016-10-06	DE1217000ab02
<b>TC_MAC_EU_013 / RX timing setup request</b>	Passed	2016-10-06	DE1217000ab02
<b>TC_MAC_EU_014 / Link ADR Request</b>	Passed	2016-10-06	DE1217000ab02
<b>TC_MAC_EU_015 / Packet Error Rate Rx1 Window</b>	Passed	2016-10-06	DE1217000ab02
<b>TC_MAC_EU_016 / Packet Error Rate Rx2 Window</b>	Passed	2016-10-06	DE1217000ab02

## 4 Annex

### 4.1 Object Under Test (OUT) Features

Supported Features for Object Under Test: SICONIA C2 AT868

Name	Mnemonic
<b>LoRa End Device Certification EU v1.2</b>	
Band 868 MHz	
data rate FSK50	
OTA	
ADR	
JOIN	

### 4.2 Additional Documentation for Samples

The following documents have been attached to Sample definitions as supporting documentation.

**Sample Name: DE1217000ab02**



Object Under Test

End of Test Report